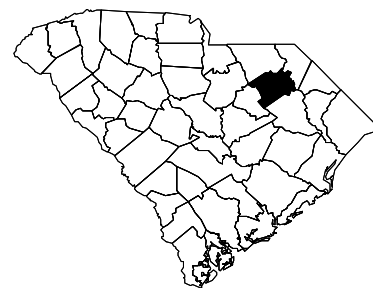


IMPACT OF CHRONIC CONDITIONS DARLINGTON County, 2001



In the year 2001, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, pneumonia, influenza, Alzheimer's disease, septicemia, nephritis, nephritic syndrome and nephrosis. This report focuses on the chronic conditions of the population of Darlington county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Darlington county's population is similar to the state population. The majority (37%) of the population in Darlington county are between the ages of 18-44, and there are more females (53%) than males (47%). However, Darlington county has a higher minority population (43%) than the state (31%). When adults in Darlington county were asked about their general health status, 85.6% reported having excellent, very good, or good health in 2001 (SC was 85%).

	DARLINGTON COUNTY	STATE
Population size	67,812	4,063,011
Age distribution (%)		
<18	26	25
18-44	37	40
45-64	24	23
65-84	11	11
85+	1	1
Race (%)		
White	57	69
Black & Other	43	31
Sex (%)		
Male	47	49
Female	53	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinian's. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2001 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Darlington county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	25	26
Sedentary lifestyle	35	40
Overweight	61	57
High Cholesterol	28	28

Some preventive measures such as immunization were included in the 2001 SC BRFSS. For persons age 65 and older in South Carolina:

33.8% have not received the flu shot in the past 12 months

42.1% have never had the pneumonia vaccination

Hospital/ER data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	36.2	.	.	.	.	28.6
Number of hospitalizations	117	73	44	43	74	5,141
Standard rate of hospitalizations (per 100,000)	174	301	103	141	189	129
Median age of hospitalized patients	63	53	73	53	65	63
Total cost of hospitalization (\$)	1,774,600	1,233,200	541,400	682,400	1,092,200	69,702,200
Average length of hospital stay (days)	5	5	5	4	5	5
Number of ER visits	132	88	44	58	74	7,398
Standard rate of ER visits (per 100,000)	194	349	102	191	196	184
Median age of ER patients	53	48	58	48	53	53
Total cost of ER visits (\$)	124,300	83,700	40,600	61,700	62,600	5,124,800
Number of deaths*	9	5	4	1	8	336
Standard death rate (per 100,000)*	13	18	10	3	22	8

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	2.73	.	.	.	.	4.15
Number of hospitalizations	675	157	518	380	295	30,127
Standard rate of hospitalizations (per 100,000)	975	681	1,133	1,276	746	749
Median age of hospitalized patients	63	63	68	63	68	68
Total cost of hospitalization (\$)	18,218,300	4,125,600	14,092,700	10,675,900	7,542,400	803,069,600
Average length of hospital stay (days)	5	5	5	5	5	5
Number of ER visits	34	7	27	23	11	2,753
Standard rate of ER visits (per 100,000)	49	29	58	76	28	69
Median age of ER patients	63	68	63	68	58	63
Total cost of ER visits (\$)	146,000	21,000	125,000	87,000	59,000	8,890,500
Number of deaths*	189	58	131	98	91	9,496
Standard death rate (per 100,000)*	279	203	336	306	255	233

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	1.8	.	.	.	.	2.45
Number of hospitalizations	346	130	216	152	194	14,626
Standard rate of hospitalizations (per 100,000)	520	579	484	572	489	374
Median age of hospitalized patients	73	68	73	68	73	73
Total cost of hospitalization (\$)	6,910,300	3,393,300	3,517,000	3,174,600	3,735,700	255,038,000
Average length of hospital stay (days)	6	8	5	6	6	6
Number of ER visits	37	14	23	15	22	2,754
Standard rate of ER visits (per 100,000)	55	60	52	51	56	70
Median age of ER patients	63	58	68	68	60	73
Total cost of ER visits (\$)	116,400	50,600	65,800	50,700	65,700	5,239,900
Number of deaths*	72	32	40	26	46	2,829
Standard death rate (per 100,000)*	106	112	103	81	129	70

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	516	206	310	238	278	15,100
Standard rate of hospitalizations (per 100,000)	757	710	750	776	750	377
Median age of hospitalized patients	48	28	58	38	53	58
Total cost of hospitalization (\$)	6,428,500	2,171,600	4,256,900	2,884,500	3,544,000	159,179,500
Average length of hospital stay (days)	4	4	5	4	5	5
Number of ER visits	978	581	397	444	534	42,599
Standard rate of ER visits (per 100,000)	1,438	1,927	1,049	1,343	1,515	1,053
Median age of ER patients	28	23	33	18	33	33
Total cost of ER visits (\$)	694,000	386,600	307,400	325,800	368,200	24,732,100
Number of deaths*	42	7	35	20	22	1,728
Standard death rate (per 100,000)*	62	25	90	62	62	43

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	10.9	.	.	.	.	8.13
Number of hospitalizations	273	161	112	108	165	8,620
Standard rate of hospitalizations (per 100,000)	403	664	268	364	436	213
Median age of hospitalized patients	58	58	63	58	58	53
Total cost of hospitalization (\$)	3,829,000	2,401,700	1,427,300	1,692,500	2,136,500	115,143,100
Average length of hospital stay (days)	5	6	5	6	5	6
Number of ER visits	202	136	66	76	126	8,748
Standard rate of ER visits (per 100,000)	295	573	152	244	327	217
Median age of ER patients	58	63	53	53	63	53
Total cost of ER visits (\$)	171,600	108,700	62,900	56,700	114,900	6,417,300
Number of deaths*	20	8	12	8	12	1,089
Standard death rate (per 100,000)*	30	28	31	25	34	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	460	222	238	141	319	24,857
Standard rate of hospitalizations (per 100,000)	680	938	539	516	845	618
Median age of hospitalized patients	63	58	63	68	53	58
Total cost of hospitalization (\$)	9,666,000	4,147,400	5,518,600	3,394,400	6,271,600	528,562,000
Average length of hospital stay (days)	6	5	6	7	5	6
Number of deaths*	146	48	98	78	68	8,262
Standard death rate (per 100,000)*	215	168	251	243	190	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	45	17	28	16	29	2,057
Standard rate of hospitalizations (per 100,000)	65	79	60	53	73	52
Median age of hospitalized patients	68	68	63	60	68	68
Total cost of hospitalization (\$)	1,606,400	458,600	1,147,800	500,200	1,106,200	65,269,600
Average length of hospital stay (days)	10	10	10	9	10	10
Number of deaths*	9	2	7	2	7	818
Standard death rate (per 100,000)*	13	7	18	6	20	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	44	17	27	.	44	1,650
Standard rate of hospitalizations (per 100,000)	64	72	61	.	113	41
Median age of hospitalized patients	63	58	63	.	63	63
Total cost of hospitalization (\$)	621,700	239,300	382,400	.	621,700	19,973,100
Average length of hospital stay (days)	3	3	3	.	3	2
Number of deaths*	16	8	8	-	16	595
Standard death rate (per 100,000)*	24	28	21	-	45	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	6	4	2	.	6	255
Standard rate of hospitalizations (per 100,000)	9	18	5	.	16	6
Median age of hospitalized patients	68	70	33	.	68	48
Total cost of hospitalization (\$)	80,800	57,800	23,000	.	80,800	3,859,300
Average length of hospital stay (days)	4	5	3	.	4	4
Number of deaths*	1	1	-	.	1	69
Standard death rate (per 100,000)*	3	4	-	.	3	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	56	13	43	35	21	2,294
Standard rate of hospitalizations (per 100,000)	84	61	97	138	54	57
Median age of hospitalized patients	70	73	68	73	63	68
Total cost of hospitalization (\$)	1,408,200	362,000	1,046,200	1,004,500	403,700	60,724,100
Average length of hospital stay (days)	8	8	8	9	7	8
Number of deaths*	57	14	43	34	23	2,543
Standard death rate (per 100,000)*	84	49	110	106	64	63

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	11	7	4	11	.	1,335
Standard rate of hospitalizations (per 100,000)	16	32	8	37	.	33
Median age of hospitalized patients	73	73	65	73	.	68
Total cost of hospitalization (\$)	256,700	187,600	69,100	256,700	.	21,303,500
Average length of hospital stay (days)	4	6	3	4	.	4
Number of deaths*	7	4	3	7	.	499
Standard death rate (per 100,000)*	22	14	8	22	.	25

*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

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